

```
1084 = (2713, 1365 î - 1550, 2965) m/s2
Biela: hach=hae++laec+x frect+1 Wec4x (Wec)x (Vc89)
 14864 JAC4 Jack = (2713136,52-1550286,53)+ (NECK),(43,422+185,23))+
                   (-31,72 R) ~ (+31,72R)~ (43,422+185,23j))
         -acj=(26663943,1023+135,23. dec) (1746 728,8049-4342 dec))
(2668449,1023+195,23. d8c=0 → xBc=-1363,355 vac/62
[-179672,8049-93,42 dBC=-QC-> QC=1/53037,73 mm/s2
Qc = 1153,03 m/s2
· Diagrama de forças:
             · Manivela: TA = T + TBC ATABLY | FBC1. TrcBf | =>
          TBC = (-43,432-24,77) x 1FBC1 (43,421+185,23)
          TBC = IFBC/. (42,39+5,38) \ = TBC = 47,77. | FBC/ N. MM
          TBC= 0,0478. IfBC N.m
           TA = T + TBC => IGA3 XAS = -10 + 0,0478. |FBC =>
IG. NAS = -10+0,0978. |FBC| => 0,006.50 = -10+0,0478. | FBC |: |FBC |= 215,98N
, Pistão: Fc= F- FB( (Od = M( QC => F=-215,48.cos(12,54°):
 F= 1363,37 N
. Biela: Tc = TF+TAB =>
 * ITF = F.d = F.130. sind = 1363,37.130. sin (12,540) =>
      IF |TF|= 38481,84 N.mm = 1 TF1= (-38,48 k) N.m
          * TA3 = 1/63 + 1 FA31 = 1 1 60 + ( IFABI. 1 18A4)
          TA3 = (-15,22-68,333) x (15A81.(-43,432+24,77))
```

TAB = (-15,22-68,33j), (IFABI. (-0,8682+0,085j)) => TAB = 66,802. | FABIN.mm : TAB = 0,0669. | FABIN.m TC = JBC &BC = -38,48+0,0669. | FABI => 0,001+13673355= -38,48+0,0665 IFABI = 449,57N

Assim, com os vesultados obtidos, concluímos:

al 45cf=-12,23j m/s b) 1 acf=-1153,03j m/s c) 4ff=-1363,37jn

d) TBC = | FBC | . 0,0478 = 2 |5,48. 0,0478 : TBC = 10,3 N.m

e) / fal = | Fast = | Fast = 178,57. (-0,0868+0,4850) :-

(FA) = (-672,45 C +385,883) N. FA = 478,65N

F) 1FBY=1 FBC4+1 FABY=215,48 (0,217 î+0,876))+(-677,45î+385j) 1FBY= (-630,67î+585,31j)N. FB=867,26N

9) AFCI = AFG + AFBCI = (-1863, 30)) + 215 AB. (0,2171)+0,946))... AFCI = (46, 78) + - 1153,06) N: FC = 1154 N.